

Chemistry	Group-I	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

**1-1- Which vitamin is fat soluble:**

- (a) C (b) K ✓  
(c) B (d) B Complex

**2- Which one of the following disease causes severe diarrhoea and can be fatal:**

- (a) Typhoid (b) Dysentery  
(c) Cholera ✓ (d) Jaundice

**3- The water of crystallization is responsible for the:**

- (a) Melting points of crystals  
(b) Boiling points of crystals  
(c) Shapes of crystals ✓  
(d) Transition point of crystals

**4- Which is secondary pollutant:**

- (a)  $\text{H}_2\text{SO}_4$  ✓ (b)  $\text{CO}_2$   
(c) CO (d)  $\text{SO}_3$

**5- Which one of the following is not a fraction of petroleum:**

- (a) Petrol (b) Alcohol ✓  
(c) Diesel oil (d) Kerosene oil

**6- The unit of molar concentration is:**

- (a)  $\text{mol dm}^{-3}$  ✓ (b)  $\text{mol dm}^{-2}$   
(c)  $\text{mol dm}^{-1}$  (d)  $\text{mol}^{-1} \text{dm}^{-1}$

7- The reduction of alkyl halides takes place in the presence of:

- (a) Mg / HCl (b) Cu / HCl  
(c) Na / HCl (d) Zn / HCl ✓

8- A reverse reaction is one:

- (a) Which proceeds from left to right  
(b) In which reactants react to form product ✓  
(c) Which slows down gradually  
(d) Which speeds up gradually

9- Formula of palmitic acid is:

- (a)  $C_{17}H_{35}COOH$  (b)  $C_{15}H_{32}COOH$   
(c)  $C_{15}H_{31}COOH$  ✓ (d)  $C_{16}H_{31}COOH$

10- Wood contains carbon about:

- (a) 40 % ✓ (b) 50 %  
(c) 60 % (d) 70 %

11- Lactic acid is found in:

- (a) Apple (b) Sour milk ✓  
(c) Urine (d) Lemon

12- Which one of the following salts makes the water permanently hard:

- (a)  $NaHCO_3$  (b)  $Na_2CO_3$   
(c)  $Ca(HCO_3)_2$  (d)  $CaSO_4$  ✓